

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend claims 1 and 8 and add new claim 21-25 as follows:

LISTING OF CLAIMS:

1. (Currently Amended) A vehicle-mounted communication device comprising:
transmitting/receiving means provided for communication of information with road-side communication means located at a road side; and

relay means for relaying encryption information, received from the road side by said transmitting/receiving means, to an IC card, ~~which~~ the IC card includes a) storage means for storing user information regarding a balance of charges and ~~which also includes~~ b) encryption means that encrypts and outputs output information based on the user information and decodes encrypted input information regarding the user information.

2. (Original) A vehicle-mounted communication device according to claim 1, wherein said relay means relays the output information encrypted by the IC card to said transmitting/receiving means.

3. (Previously Presented) A vehicle-mounted communication device according to claim 1, further comprising encryption information storage means in which the encryption information is temporarily stored, wherein said transmitting/receiving means stores the

encryption information in said encryption information storage means and transmits as is the encryption information stored in said encryption information storage means.

4. (Previously Presented) A vehicle-mounted communication device according to claim 1, wherein at least one of the IC card and the road-side communication means outputs a portion of the output information in a state without encryption and information display means for displaying the portion of the output information outputted without being encrypted is further provided.

5. (Presently Presented) A road-to-vehicle communication device comprising:
a vehicle-mounted communication device according to claim 1; and
road-side control means being located at a road side, including road-side communication means provided for intercommunication of information with the vehicle-mounted communication device, and also including road-side encryption means for encrypting transmitted information and decoding received information.

6. (Original) A road-to-vehicle communication device according to claim 5, wherein road-side encryption means of said road-side control means installed at an entrance gate effects encryption of transmitted information and road-side encryption means of said road-side control means installed at a toll reception gate effects only decoding of received information.

7. (Previously Presented) A road-to-vehicle communication device according to claim 5, wherein the transmitted information is accounting information regarding accounting processing of charged facilities.

8. (Currently Amended) A road-to-vehicle communication device comprising:
road-side control means being located at a road side, including a) road-side communication means provided for intercommunication of information with vehicle-mounted communication means, and ~~also including~~ b) first encryption means for encrypting transmitted information and decoding received information, with a first electronic key;

information control means including a) information transfer means which stores therein user information regarding at least one of a vehicle and a user and through which information is mutually transferred with respect to the vehicle-mounted communication means, and ~~also including~~ b) second encryption means for encrypting output information and decoding input information, with a second electronic key; and

vehicle-mounted control means being installed on a vehicle side, including a) the vehicle-mounted communication means provided for intercommunication of information with respect to the road-side communication ~~device~~ means and for mutual transfer of information with respect to said information control means, and ~~also including~~ b) third encryption means which, during the communication of information, encrypts transmitted information and decodes received information with the first electronic key, and which during the transfer of information, encrypts output information and decodes input information with the second electronic key.

9. (Original) A road-to-vehicle communication device according to claim 8, wherein each group of said first encryption means and the road-side communication means, said second encryption means and the information transfer means, and said third encryption means and the vehicle-mounted communication means are provided on the same substrate.

10. (Previously Presented) A vehicle-mounted communication device according to claim 2, further comprising encryption information storage means in which the encryption information is temporarily stored, wherein said transmitting/ receiving means stores the encryption information in said encryption information storage means and transmits as is the encryption information stored in said encryption information storage means.

11. (Previously Presented) A vehicle-mounted communication device according to claim 2, wherein at least one of the IC card and the road-side communication means outputs a portion of the output information in a state without encryption and information display means for displaying the portion of the output information outputted without being encrypted is further provided.

12. (Previously Presented) A vehicle-mounted communication device according to claim 3, wherein at least one of the IC card and the road-side communication means outputs a portion of the output information in a state without encryption and information display means for displaying the portion of the output information outputted without being encrypted is further provided.

13. (Previously Presented) A road-to-vehicle communication device comprising:
a vehicle-mounted communication device according to claim 2, and
road-side control means being located at a road side, including road-side
communication means provided for intercommunication of information with the vehicle-
mounted communication device, and also including road-side encryption means for
encrypting transmitted information and decoding received information.

14. (Previously Presented) A road-to-vehicle communication device comprising:
a vehicle-mounted communication device according to claim 3, and
road-side control means being located at a road side, including road-side
communication means provided for intercommunication of information with the vehicle-
mounted communication device, and also including road-side encryption means for
encrypting transmitted information and decoding received information.

15. (Previously Presented) A road-to-vehicle communication device comprising:
a vehicle-mounted communication device according to claim 4, and
road-side control means being located at a road side, including road-side
communication means provided for intercommunication of information with the vehicle-
mounted communication device, and also including road-side encryption means for
encrypting transmitted information and decoding received information.

16. (Previously Presented) A road-to-vehicle communication device according to claim 6, wherein the transmitted information is accounting information regarding accounting processing of charged facilities.

17. (Previously Presented) A vehicle-mounted communication device according to claim 10, wherein at least one of the IC card and the road-side communication means outputs a portion of the output information in a state without encryption and information display means for displaying the portion of the output information outputted without being encrypted is further provided.

18. (Previously Presented) A road-to-vehicle communication device comprising:
a vehicle-mounted communication device according to claim 17, and
road-side control means being located at a road side, including road-side communication means provided for intercommunication of information with the vehicle-mounted communication device, and also including road-side encryption means for encrypting transmitted information and decoding received information.

19. (Previously Presented) A road-to-vehicle communication device according to claim 18 herein road-side encryption means of said road-side control means installed at an entrance gate effects encryption of transmitted information and road-side encryption means of said road-side control means installed at a toll reception gate effects only decoding of received information.

P1 20. (Previously Presented) A road-to-vehicle communication device according to claim 19, wherein the transmitted information is accounting information regarding accounting processing of charged facilities.


21. (New) A vehicle-mounted communication device according to claim 1, wherein said relay means relays encryption information in an undecoded state.

P2 22. (New) A vehicle-mounted communication device according to claim 1, wherein the vehicle-mounted communication device is not provided with encryption means for decoding encrypted information, wherein the encryption information is one of a) passing through the vehicle-mounted communication device in an undecoded state and b) is temporarily stored in the vehicle-mounted communication device in an undecoded state.

23. (New) A vehicle-mounted communication device according to claim 1, wherein an ID of the vehicle is stored in the vehicle-mounted communication device for corresponding the vehicle and the vehicle-mounted communication device, and a certified key code is stored in the IC card for corresponding the vehicle-mounted communication device and the IC card.

24. (New) A road-to-vehicle communication device according to claim 8, wherein the second electronic key is different from the first electronic key.

25. (New) A road-to-vehicle communication device according to claim 8,

 wherein the first electronic key is stored in the road-side control means and the vehicle-mounted control means, and the second electronic key is stored in the vehicle-mounted control means and the information control means.
